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APPLICATION NO.		FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/667,711 09/22/2003		09/22/2003	Karl-Heinz Aleksander Ostoja Starzewski	PO7795/LeA 36,276	1415
34947	7590	07/14/2005		EXAMINER	
LANXESS		ORATION EST DRIVE	LU, C CAIXIA		
		15275-1112		ART UNIT	PAPER NUMBER
				1713	
			DATE MAILED: 07/14/2005		

Please find below and/or attached an Office communication concerning this application or proceeding.

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		Application No.	Applicant(s)					
		10/667,711	''	STARZEWSKI ET AL.				
Office Action Summary		Examiner	Art Unit					
		Caixia Lu	1713					
Period fo	The MAILING DATE of this communication	on appears on the cover sheet v	vith the correspondence ac	ddress				
A SH THE - Exte after - If the - If NO - Failu Any	ORTENED STATUTORY PERIOD FOR F MAILING DATE OF THIS COMMUNICAT nsions of time may be available under the provisions of 37 (SIX (6) MONTHS from the mailing date of this communicat reperiod for reply specified above is less than thirty (30) days of period for reply is specified above, the maximum statutory tre to reply within the set or extended period for reply will, by reply received by the Office later than three months after the red patent term adjustment. See 37 CFR 1.704(b).	TION. CFR 1.136(a). In no event, however, may a tion. s, a reply within the statutory minimum of the period will apply and will expire SIX (6) MC a statute, cause the application to become A	reply be timely filed irty (30) days will be considered time NTHS from the mailing date of this of NBANDONED (35 U.S.C. § 133).					
Status								
1)⊠	Responsive to communication(s) filed on	06 May 2005.						
2a)⊠	This action is FINAL . 2b)	This action is non-final.						
3)□	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Disposit	ion of Claims							
5)□	Claim(s) 1-26 is/are pending in the application of the above claim(s) 1-7,9,19 and 20 Claim(s) is/are allowed. Claim(s) 8,10-18 and 21-26 is/are rejected Claim(s) is/are objected to. Claim(s) are subject to restriction	<u>0</u> is/are withdrawn from consided.	eration.					
Applicat	ion Papers							
9)⊠	The specification is objected to by the Ex	aminer.						
10)	☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.							
	Applicant may not request that any objection	to the drawing(s) be held in abeya	ance. See 37 CFR 1.85(a).					
11)□	Replacement drawing sheet(s) including the of the oath or declaration is objected to by	•	• • •	` '				
·	under 35 U.S.C. § 119							
12)⊠ a)	Acknowledgment is made of a claim for food All b) Some * c) None of: 1. Certified copies of the priority documents of the priority documents. Copies of the certified copies of the application from the International Esee the attached detailed Office action for	uments have been received. uments have been received in e priority documents have bee Bureau (PCT Rule 17.2(a)).	Application No n received in this National	l Stage				
Attachmen		_						
2) 🔲 Notic 3) 🔲 Infori	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-94 mation Disclosure Statement(s) (PTO-1449 or PTO/97 r No(s)/Mail Date	48) Paper No	Summary (PTO-413) (s)/Mail Date Informal Patent Application (PT 	O-152)				

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DETAILED ACTION

1. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Specification

2. The specification is objected to as failing to provide proper antecedent basis for the claimed subject matter. See 37 CFR 1.75(d)(1) and MPEP § 608.01(o). Correction of the following is required: insert the contents of claims 21 -26 to the specification to provide proper antecedences for the claims.

Claim Rejections - 35 USC § 103

3. Claims 8, 10-18 and 21-26 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ostoja-Starzewski et al. (US 6,353,064, hereinafter referred as Ostoja) for the same rationale as set forth in the previous Office action mailed January 25, 2005.

Response to Arguments

4. Applicant's arguments filed May 6, 2005 have been considered. The rejections under 35 U.S.C. 112, 1st and 2nd paragraphs are withdrawn in view of applicants' Amendment and Remarks. However, the rejections under 35 U.S.C. 103(a) over Ostoja are maintained.

Applicants states that the catalysts of the instant claims provide high molecular weights and further summit "such high molar masses can only be obtained when the polymerization process is carried out in the presence of special transition metal compound having special ligands and using a transition metal compound with at least

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one alkyl- or aryl- group on at least one acceptor atom as presently claimed". However, it is the examiner position that average viscosity molecular weight Mŋ of 500 kg/mol is not considered as an extraordinary high molecular weight in the art of polyolefins prepared in the presence of metallocene catalyst, and such a molecular weight can be achieved by using alumoxane as the cocatalyst with Ostoja's metallocene complex as shown in the previous Office action.

Applicants have provided Galimberti et al. (Macromolecules 1999, 32, 258-263) to demonstrate that alumoxane lower the molecular weight of olefin copolymer. Galimberti only demonstrates that methylalumoxane gives rise to higher polymerization activities and lower molecular masses of the copolymer compared to tetraisooctyl-alumoxane and tetraisooctylalumoxane and tetraisooctylalumoxane</a

Since obviousness rejections over Ostoja are stilled deemed to be proper, the burden is on the applicants to show that when alumoxane such as methylalumoxane is used in Ostoja's olefin polymerization process, the polyolefins produced do not have a viscosity molecular weight of more than 500 kg/mol.

Conclusion

5. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

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A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Caixia Lu whose telephone number is (571) 272-1106. The examiner can normally be reached from 9:00 am to 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful and the matter is urgent, the examiner's supervisor, David Wu, can be reached at (571) 272-1114. The fax numbers for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571) 272-1700.

Caixia Lu, Ph. D. Primary Examiner July 10, 2005